Abstract

A geared core winder with locking mechanism for use with core rolls for fabric, material, rugs, paper or other such products comprised of a shaft containing a geared section, a first and second donut-shaped pieces placed on the shaft on opposite sides of the gears, a plurality of geared rods running between the donut-shaped pieces, wherein there is secured to each geared rod a plate which extends from the surface of the geared rods, wherein the geared rods interactingly engage the geared section of the shaft and a locking mechanism to prevent axial rotation of the geared core winder when engaged with core rolls. The locking mechanism is comprised of a donut-shaped locking piece which fits onto the shaft of the geared core winder and contains a central opening, a plurality of key locking pins fitting in key locking pins openings in the donut-shaped locking piece and into openings in the first donut-shaped piece of the geared core winder, and a rotation limitations system secured within the central opening of the donut-shaped locking piece, which rotation limitations system permits rotation of the geared core winder only in one direction.

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